

## Certificate of Analysis

### LudgerPure™ 2AB Labeled NGA2 Glycan

Cat. #: CAB-NGA2-01

Batch: B81P-05

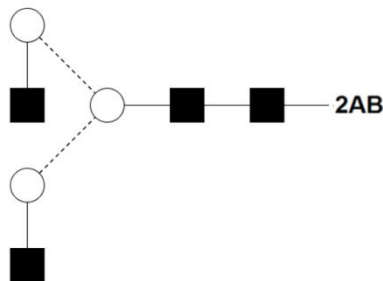
Size: approx. 100 pmol

Expiry Date: 21 April 2027

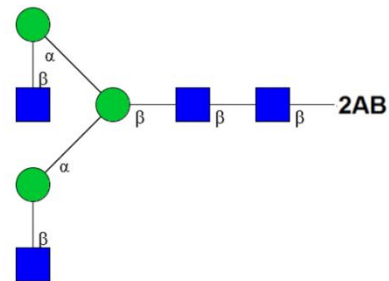
#### Alternative Names

A2, G02

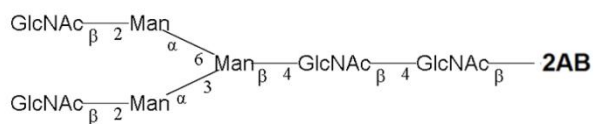
#### Glycan Structure



*Oxford Notation*



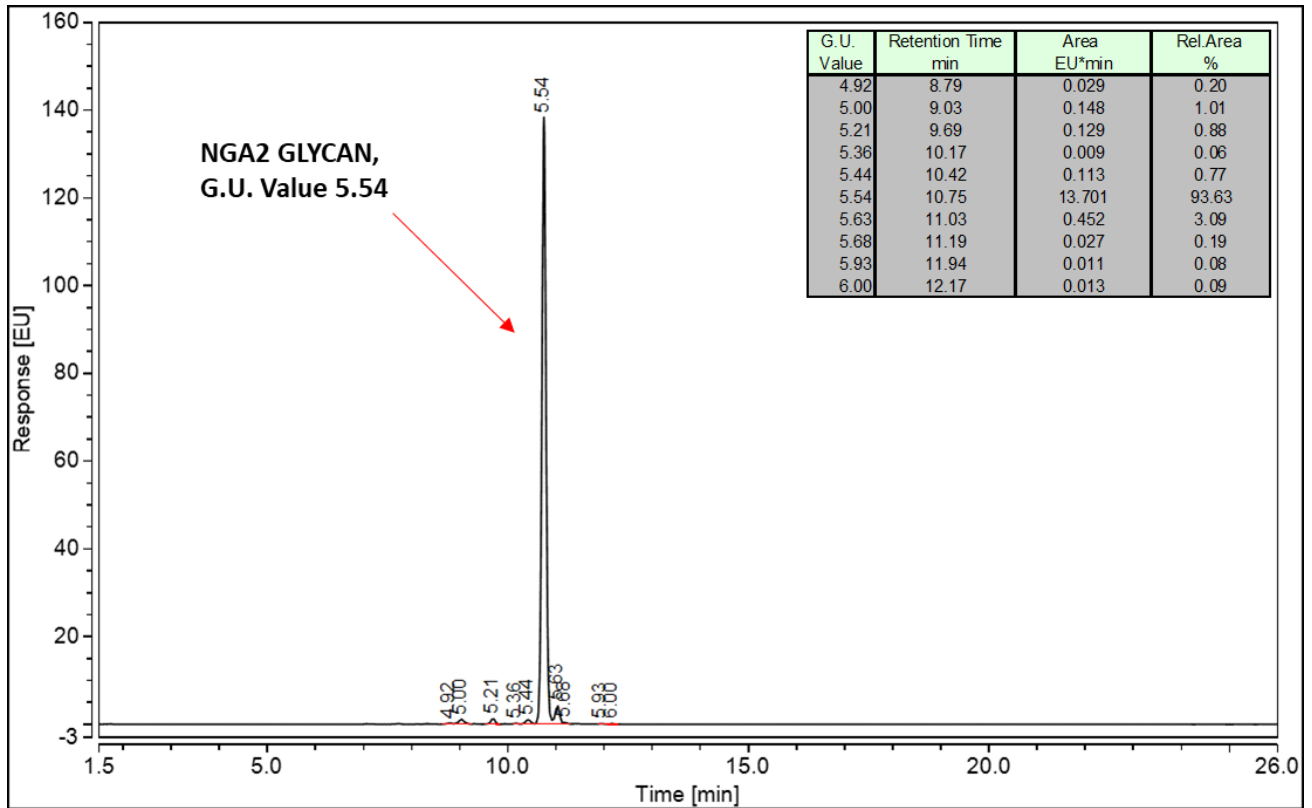
*CFG Notation*



*Text Notation*

**Purity:** 93.6% 2AB labeled NGA2 glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 90.5 pmols NGA2 glycan – Test performed 21 April 2022.



**Figure 1:** HILIC HPLC profile of 2AB labelled NGA2 glycan (see method conditions below) (Cat. #: CAB-NGA2-01, Batch B81P-05).

\*NGA2 glycan structure identified by MALDI, MS & HPLC (GU value comparison to Glycostore database).

**2-AB NGA2 peak seen above, eluted at 10.75 minutes, under the following conditions:**

**Column:** Waters BEH Glycan 1.7µm column (150mm)

**Flow:** 0.56mL/min.

**Temperature:** 60 °C

**Solvent A:** 50mM ammonium formate pH 4.4    **Solvent B:** 100 % acetonitrile

**Gradient:**

Time (min)	%B	Flow (mL/min)
0.0	78.0	0.56
1.5	78.0	0.56
24.8	58.0	0.56
25.8	40.0	0.56
25.9	0.0	0.25
27.9	0.0	0.25
28.4	78.0	0.25
32.0	78.0	0.56
35.0	78.0	0.56

**Detector:** Fluorescence

**Excitation wavelength:** 250 nm

**Emission wavelength:** 428 nm

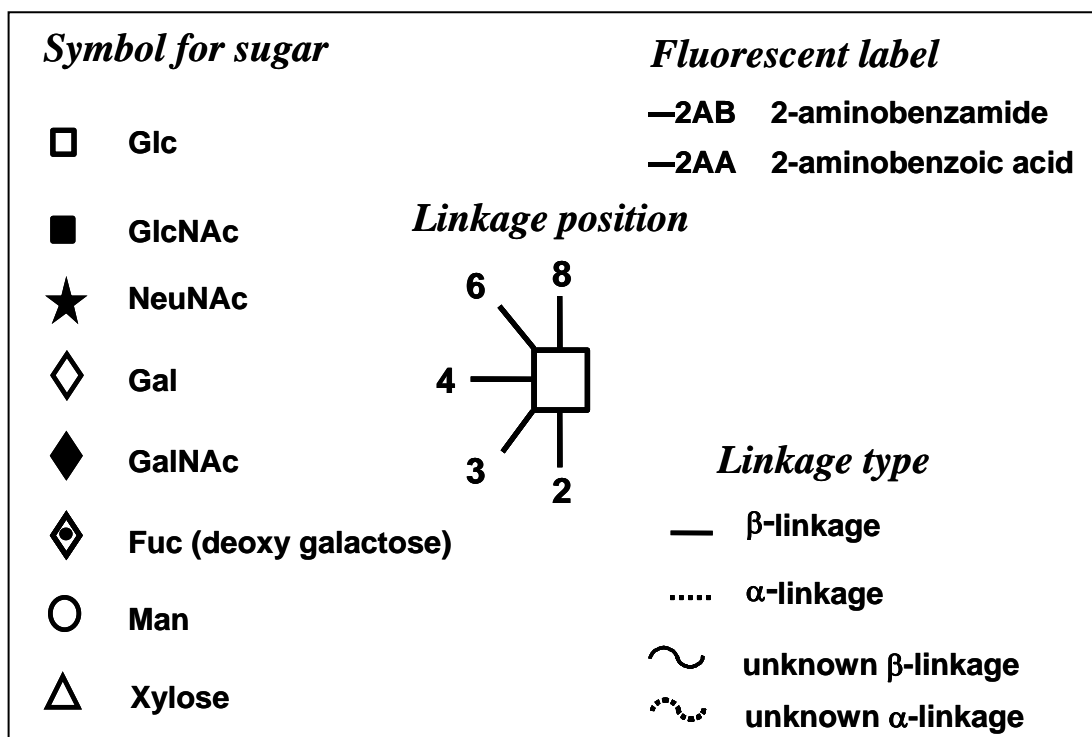


Figure 2: GlycoBase glycan structure key.